

DUPLEX bars with  
high yield strength



**Swiss  
Steel**  
Group

Ugitech is pushing back the boundaries of physics...  
...by marketing a new manufacturing range with very high mechanical properties for building applications, which combines both:

#### High corrosion resistance\*

##### Two corrosion resistance classes:

- UGI® 4362 and UGI® 4462

#### High mechanical properties\*

- UGI® 4362: Rm min: 800 N/mm<sup>2</sup>  
Rp0.2 min: 690 N/mm<sup>2</sup>  
A5d min %: 15
- UGI® 4462: Rm min: 900 N/mm<sup>2</sup>  
Rp0.2 min: 800 N/mm<sup>2</sup>  
A5d min %: 15

#### Sizes\*

- Diameter: 6 to 45 mm
- Lengths: 500 to 6500 mm +/- 50 mm

#### Service

- Customised cutting to length.
- Grinding.

#### Geometric guarantees\*

- Drawn range h9:  
Dia: ≤ 25 mm  
Straightness: ≤ 1 mm/m
- Turned range h10:  
Dia: from 26 to 45 mm  
Straightness: ≤ 1.5 mm/m

#### Standards

Conformity to

- NFEN 10088-3
- NFEN 10088-5
- NFEN 10038

#### Product application

- Shear force-bearing pins and bolts.
- Structural parts: guy tie rods and components.
- Fasteners.

\*Other characteristics available on request.



Thermal conductivity at 20 °C  
(W · m<sup>-1</sup> · K<sup>-1</sup>) = 15



Very high mechanical properties



The information and data presented here in are typical or average values and are not a guarantee of maximum or minimum values. Only the information reported on our material certificates is to be considered as relevant.

Applications specifically suggested for material described here in are made for the purpose of illustration only to enable the reader to make its own evaluation and are not intended as warranties, either express or implied, of fitness for any purposes.

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